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(54) Title: PROCESS FOR PRODUCING A NANO-POROUS POLYMERIC MATERIAL, A POLYMER COMPOSITION COMPRISING NANOPARTICLES OF A CHEMICAL BLOWING AGENT, NANOPARTICLES OF A CHEMICAL BLOWING AGENT AND A NANO-POROUS POLYMERIC MATERIAL

(57) Abstract: Process for producing a nano-porous polymeric material, characterized in that the process comprises the steps of: a. incorporating a chemical blowing agent in the form of nano-particles in the polymeric material, b. decomposing the chemical blowing agent in its gaseous reaction products. The process may be used for the production of anti-reflective coatings, a bio-degradable scaffold for tissue engineering, an isolation coating, a dielectric interlayer, a membrane, a nano-reactor.